

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Our Docket No.: 14505.01

First Named Inventor: Matthew P. Dugas

Title: Solid State Membrane Channel Device for the
Measurement and Characterization of Atomic and Molecular
Sized Samples

Express Mail No.: EV324255391US

U.S. PTO
10/685289
22386
101403

ADDRESS TO:

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPLICATION ELEMENTS

ACCOMPANYING APPLICATION PARTS

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Fee Calculation Sheet
(Submit an original and a duplicate for fee processing) | 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i) |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status | 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| 3. <input checked="" type="checkbox"/> Specification Total Pages: 22 | 11. <input type="checkbox"/> 37 C.F.R. 3.73(b) Submission |
| <input checked="" type="checkbox"/> Descriptive title of the invention | 12. <input type="checkbox"/> Power of Attorney |
| <input checked="" type="checkbox"/> Cross Reference to Related Applications | 13. <input type="checkbox"/> Information Disclosure Statement
(with Copies of Citations as necessary) |
| <input type="checkbox"/> Statement Re: Fed. Sponsored R&D | 14. <input type="checkbox"/> Preliminary Amendment Total Pages: |
| <input type="checkbox"/> Reference to Microfiche Appendix | 15. <input type="checkbox"/> Certified Copy of Priority document(s)
(if foreign priority is claimed) |
| <input checked="" type="checkbox"/> Background of the Invention | 16. <input type="checkbox"/> English Translation Document (if applicable) |
| <input checked="" type="checkbox"/> Brief Summary of the Invention | 17. <input checked="" type="checkbox"/> Return Receipt Postcard
(Should be specifically itemized) |
| <input checked="" type="checkbox"/> Brief Description of the Drawings | 18. <input type="checkbox"/> Other |
| <input checked="" type="checkbox"/> Detailed Description | <input type="checkbox"/> Check No. _____ for \$ _____ |
| <input checked="" type="checkbox"/> Claims | <input type="checkbox"/> Copy of Power of Attorney from prior application |
| <input checked="" type="checkbox"/> Abstract of the Disclosure | <input type="checkbox"/> |
| 4. <input checked="" type="checkbox"/> Drawings (35 U.S.C. 113) Total Sheets: 11 | <input type="checkbox"/> |
| 5. <input type="checkbox"/> Oath or Declaration Total Pages: | <input type="checkbox"/> |
| a. <input type="checkbox"/> Newly Executed (original or copy) | <input type="checkbox"/> |
| b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d))
(for continuation/divisional with
Box 19 completed) | <input type="checkbox"/> |
| i. <input type="checkbox"/> DELETION OF INVENTORS
Signed statement attached deleting inventor(s)
named in the prior application (37 C.F.R.
1.63(d)(2) and 1.33(b)) | 19. If a CONTINUING APPLICATION, check appropriate box and
supply the requisite information: |
| 6. <input checked="" type="checkbox"/> Application Data Sheet (37.C.F.R. 1.76) | <input type="checkbox"/> Continuation |
| 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate,
large table or Computer Program (Appendix) | <input type="checkbox"/> Division |
| 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary) | <input type="checkbox"/> Continuation-in-Part (CIP) |
| a. <input type="checkbox"/> Computer Readable Form (CRF) | of PRIOR APPLICATION |
| b. <input type="checkbox"/> Specification Sequence Listing on: | No. _____, filed _____ |
| i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or | and also claims priority from _____, dated _____ |
| ii. <input type="checkbox"/> paper | For CONTINUATION or DIVISIONAL APPLICATIONS: The entire
disclosure of the prior application, from which a copy of the oath or
declaration is supplied under Box 5b, is considered as being part of the
disclosure of the accompanying application and is hereby incorporated
by reference. |
| c. <input type="checkbox"/> Statement verifying identify of above copies | |

CONTINUATION APPLICATIONS

19. If a CONTINUING APPLICATION, check appropriate box and
supply the requisite information:

- Continuation
 Division
 Continuation-in-Part (CIP)

of PRIOR APPLICATION

No. _____, filed _____
and also claims priority from _____, dated _____

For CONTINUATION or DIVISIONAL APPLICATIONS: The entire
disclosure of the prior application, from which a copy of the oath or
declaration is supplied under Box 5b, is considered as being part of the
disclosure of the accompanying application and is hereby incorporated
by reference.

CORRESPONDENCE ADDRESS

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Signature: <i>Devan V. Padmanabhan</i>		Date: 10/14/03	

10/14/03
U.S. PTO

**APPLICATION
FEE TRANSMITTAL SHEET
(FY 2004)**

<i>Complete if Known</i>	
Application No.	Unknown
Filing Date	Herewith
First Named Inventor	Matthew P. Dugas
Group Art Unit	Unknown
Examiner Name	Unknown
Atty. Docket Number	14505.01

METHOD OF PAYMENT (Check One)			FEE CALCULATION (Continued)		
1. <input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account No.: <u>04-1420</u> Deposit Account Name: <u>DORSEY & WHITNEY LLP</u>			3. ADDITIONAL FEES		
<input type="checkbox"/> Charge any additional fee required under 37 C.F.R. 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status (see 37 C.F.R. 1.27)			Large Entity Fee	Small Entity Fee	Fee Description
2. <input type="checkbox"/> Check Enclosed			50	25	Surcharge - late provisional filing fee or cover sheet
			130	65	Surcharge – Late nonprovisional filing fee or oath
			180	180	Submission of IDS
			40	40	Recording each patent assignment per property (times number of properties)
			110	55	Extension for reply within first month
			420	210	Extension for reply within second month
			950	475	Extension for reply within third month
			1,480	740	Extension for reply within fourth month
			2,010	1,005	Extension for reply within fifth month
			770	385	Submission After Final 1.129
			330	165	Notice of Appeal
			330	165	Filing a brief in support of an appeal
			290	145	Request for oral hearing
			110	55	Terminal Disclaimer Fee
			130	130	Petitions to the Commissioner
			50	50	Petitions related to provisional applications
			1,330	665	Utility/Reissue Issue Fee (including advance copies)
			480	240	Design Issue Fee (inc. advance copies)
			770	385	Request for Continued Examination (RCE)
			300	300	Publication fee for early, voluntary, or normal publication
			300	300	Publication fee for re-publication
			110	55	Petition to Revive – unavoidable
			1,330	665	Petition to Revive – unintentional
			OTHER FEE (specify)		
			Subtotal (3)		0.00
			Total Amount of Payment:		601.00
*Calculation of Extra Claim Fees Large Entity Fee Small Entity Fee Fee Description 18 9 Claims in excess of 20 86 43 Independent claims in excess of 3 290 145 Multiple dependent Claim 86 43 Reissue independent claims over original patent 18 9 Reissue claims in excess of 20 and over original patent					

Submitted by:

CUSTOMER NUMBER 25763	DORSEY & WHITNEY LLP	Intellectual Property Department Suite 1500, 50 South Sixth Street Minneapolis, MN 55402
Name: Devan V. Padmanabhan	Phone No.: (612) 340-7990	Fax No.: (612) 340-8856
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